

FORMULATION AND DELIVERY METHOD TO ENHANCE ANTIOXIDANT POTENCY OF
VITAMIN E

ABSTRACT

5 A formulation to deliver a full-spectrum of Vitamin E isomers
for improved antioxidant capacity, bioavailability, dissolution
and efficacy. The formulation includes dl- α -tocopheryl acetate or
dl- α -tocopheryl succinate (synthetic Vitamin E), natural Vitamin E
and mixed tocopherols, such as α -, β -, γ - and δ -tocopherol, as well
10 as four isomers (α , β , γ and δ) of tocotrienols. This formulation
is designed to deliver at least 17-times the antioxidant capacity
of synthetic Vitamin E (dl- α -tocopheryl acetate), and at least
twice the antioxidant capacity of natural Vitamin E (d- α -
tocopherol) as measured by oxygen radical absorbance capacity
15 (ORAC) assay. The potent antioxidant capacity of this formula
affords protection against oxidative damage of cell membranes,
heart disease, cancer and eye and skin disease.